

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 October 2003 (16.10.2003)

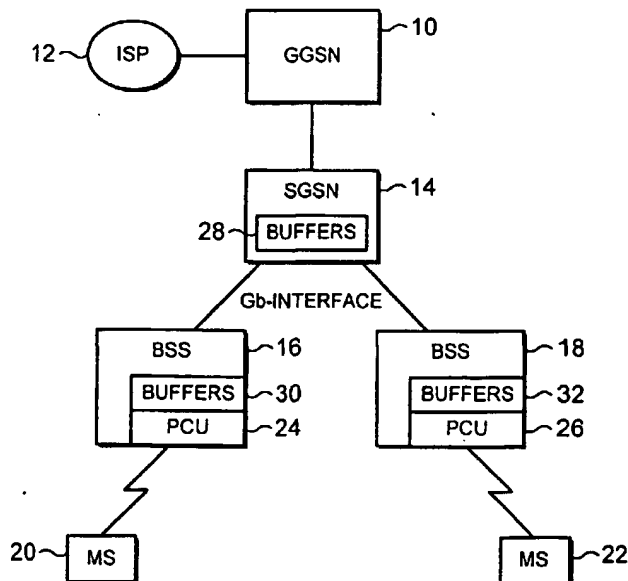
PCT

(10) International Publication Number
WO 03/085902 A1

- (51) International Patent Classification⁷: H04L 12/56
- (21) International Application Number: PCT/EP02/03990
- (22) International Filing Date: 10 April 2002 (10.04.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET L M ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ERIKSSON, Ann-Christine [SE/SE]; Mjölnerbacken 46, S-174 48 Sundbyberg (SE). COLLINS, Sandra [IE/IE]; 24 Highthorn Park, Mounttown, Dun Laoire, Co. Dublin (IE). BACKLUND, Ingemar [SE/SE]; Terassvägen 5, S-191 44 Sollentuna (SE).
- (74) Agent: O'CONNELL, David, Christopher; Haseltine Lake & Co, Imperial House, 15-19 Kingsway, London WC2B 6UD (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: DATA PRESERVATION



(57) Abstract: A method ensures that data is not lost during an inter-Routing Area or inter-Network Service Entity cell change in a GPRS network. When a mobile station passes from one cell into another, a command is sent from the SGSN to the BSS serving the first cell, causing that BSS to discard any data awaiting transmission to the mobile station. A reply is sent from the BSS to the SGSN, and, in response thereto, the SGSN transmits data to the BSS serving the new cell, in order to ensure that all of the data intended for the mobile station is transmitted thereto.

WO 03/085902 A1